Network Working Group
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SUMMARY OF SMALLBERG SURVEYS

This is a summary of the surveys of Telnet, FTP and Mail (SMTP) servers conducted by David Smallberg in December 1982 and January and February 1983 as reported in RFC 832-843, 845-846. This memo extracts the number of hosts that accepted the connection to their server for each of Telnet, FTP, and SMTP, and compares it to the total host in the Internet (not counting TACs or ECHOS).

One would not expect the percentage to reach 100, since some hosts will be down when the surveys are run, but many hosts are for special purposes and don't offer these services. We estimate that 37 hosts or 11 percent are in this catagory and the highest percentage one could reasonably expect is 89.

TELNET

RFC	DATE	ACCEPT	TOTAL	PERCENT
832	7 Dec 82	83	315	26
833	14 Dec 82	103	314	33
834	22 Dec 82	102	314	32
835	28 Dec 82	95	314	30
836	4 Jan 83	151	315	48
837	11 Jan 83	171	323	53
838	18 Jan 83	172	323	53
839	25 Jan 83	182	323	56
842	1 Feb 83	183	382	48
843	8 Feb 83	187	329	57
845	15 Feb 83	176	329	53
846	22 Feb 83	190	325	56

FTP

RFC	DATE	ACCEPT	TOTAL	PERCENT
832	7 Dec 82	70	315	26
833	14 Dec 82	90	314	29
834	22 Dec 82	80	314	25
835	28 Dec 82	80	314	25
836	4 Jan 83	132	315	42
837	11 Jan 83	153	323	47
838	18 Jan 83	159	323	49
839	25 Jan 83	165	323	51
842	1 Feb 83	170	328	52
843	8 Feb 83	174	389	45
845	15 Feb 82	169	329	51
846	22 Feb 83	181	325	56

SMTP

RFC	DATE	ACCEPT	TOTAL	PERCENT
832	7 Dec 82	63	315	20
833	14 Dec 82	82	314	26
834	22 Dec 82	82	314	26
835	28 Dec 82	72	314	23
836	4 Jan 83	124	315	39
837	11 Jan 83	145	323	45
838	18 Jan 83	154	323	48
839	25 Jan 83	159	323	49
842	1 Feb 83	169	328	52
843	8 Feb 83	170	329	52
845	15 Feb 83	169	329	51
846	22 Feb 83	178	325	55